TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. YOU102

In Re Application Of: **Kim, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/786,379	February 25, 2004		32047	1762	3388

Title: **METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

   ☐ the statement specified in 37 CFR 1.97(e);

   OR

   ☐ the fee set forth in 37 CFR 1.17(p).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: **January 10, 2005**

Donald J. Perreault
Reg. No. 40,126
Grossman, Tucker, Perreault & Pfleger, PLLC
603-668-6560

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (optional)	Application No.
YOU102	10/786,379
Applicants(s)	
Kim et al.	
Filing Date	**Group Art Unit**
February 25, 2004	1762

U.S. PATENT DOCUMENTS

*Examiner Initial	REF	DOCUMENT NUMBER	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
		5,108,793	04/28/1992	van Ooij et al.	427/327	
		5,200,275	04/06/1993	van Ooij et al.	428/623	
		5,292,549	03/08/1994	van Ooij et al.	427/156	
		5,433,976	07/18/1995	van Ooij et al.	427/327	
		5,487,792	01/30/1996	King et al.	136/256	
		5,750,197	05/12/1998	van Ooij et al.	427/318	
		5,759,629	06/02/1998	van Ooij et al.	427/384	
		6,102,521	08/15/2000	Halko et al.	347/47	
		6,183,815 B1	02/06/2001	Enick et al.	427/400	
		6,461,682 B1	10/08/2002	Crotty et al.	427/387	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES	TRANSLATION NO
		WO 02/072283 A1	09/19/2002	PCT	B05D/3/02		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include Copy of this form with next communication to applicant

	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	**Docket Number (optional)** YOU102	**Application No.** 10/786,379
		Applicants(s) Kim et al.	
		Filing Date February 25, 2004	**Group Art Unit** 1762

*Examiner Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		Azzaroni, O., M. Cipollone, M.E. Vela and R.C. Salvarezza, Protective properties of dodecanthiol layers on copper surface: The effect of chloride anions in aqueous environments, Langmuir, 17 (2001), pp. 1483-1487.
		Jennings, G.K. and Paul E. Laibinis, Self-assembled monolayers of alkanethiol on copper provide corrosion resistance in aqueous environments, Colloids and Surface A: Physicochemical and Engineering Aspects, 116 (1996), pp. 105-114.
		Nozawa, K., H. Nishihara and K. Aramaki, Chemical Modification of Alkanethiol Monolayer for Protecting Iron Against Corrosion, Corrosion Science, 39 (1997), pp. 1625-1639.
		Nozawa, K. and K. Aramaki, One- and two-dimensional polymer films of modified alkanethiol monolayers for preventing iron from corrosion, Corrosion Science, 41 (1999), pp. 57-73.
		Sherer, J., M.R. Vogt, O.M. Magnussen and R.J. Behm, Corrosion of alkanethiol-covered Cu(100) surfaces in hydrochloric acid solution studied by *in-situ* scanning tunneling microscopy, Langmuir, 13 (1997), pp. 7045-7051.
		Taneichi, D., Reiko Haneda and Kunitsugu Aramaki, A novel modification of an alkanethiol self-assembled monolayer with alkylisocynates to prepare protective films against copper corrosion, Corrosion Science, 43 (2001), pp. 1589-1600.
		Zamborini, F.P. and R.M. Crooks, Corrosion passivation of gold by n-alkanethiol self-assembled monolayers: Effect of chain length and end group, Langmuir, 14 (1998), pp. 3279-3286.
		van Ooij, W.J. and T. Child, Protecting Metals with Silane Coupling Agents, Chemtech, 1998, pp. 26-35.

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